

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078640
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company H. Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 28-7 Unit Field So. Blanco F.C. State New Mexico
Well No. 116 Sec. 17 T. 27N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 1749 ft. S of N Line and 1550 ft. W of E Line of Section 17 Elevation 6916'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date September 22, 1959 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling 7-2, 19 59 Finished drilling 7-8, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3360 to 3440 (C.) No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8	12	8 Rd.	J-55	111	Acceptor	1st 100' section	1st 100'	1st 100'	Surface
5 1/2	19.5	8 Rd.	8-75	57	Acceptor	1st 100' section	1st 100'	1st 100'	Prod. Csg.
1 1/4	2.4	10 Rd. Grade "A"	3348						Siphon

MUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		See Well History				

TOOLS USED

Rotary tools were used from 0 feet to 3465 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----8-17-----, 19--59 Put to producing -----, 19-----

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 2,204,500 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1.013 A.O.F. = 2362 MCF/D

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	2542	2542	Tan to gry cr-grn ss interbedded w/gry sh.
2542	2642	100	Ojo Alamo ss. White cr-grn s.
2642	3097	455	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3097	3360	263	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3360	3440	80	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3440	3466	26	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

LOCATE WITH CONFIDENCE

1. The first of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the activities of the Committee for the Liberation of the Americas (CLA) in the United States. The Commission is therefore unable to determine whether the CLA is a legitimate organization or a subversive one.

2. The second of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the activities of the Committee for the Liberation of the Americas (CLA) in the United States. The Commission is therefore unable to determine whether the CLA is a legitimate organization or a subversive one.

3. The third of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the activities of the Committee for the Liberation of the Americas (CLA) in the United States. The Commission is therefore unable to determine whether the CLA is a legitimate organization or a subversive one.

4. The fourth of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the activities of the Committee for the Liberation of the Americas (CLA) in the United States. The Commission is therefore unable to determine whether the CLA is a legitimate organization or a subversive one.

5. The fifth of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the activities of the Committee for the Liberation of the Americas (CLA) in the United States. The Commission is therefore unable to determine whether the CLA is a legitimate organization or a subversive one.

6. The sixth of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the activities of the Committee for the Liberation of the Americas (CLA) in the United States. The Commission is therefore unable to determine whether the CLA is a legitimate organization or a subversive one.

7. The seventh of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the activities of the Committee for the Liberation of the Americas (CLA) in the United States. The Commission is therefore unable to determine whether the CLA is a legitimate organization or a subversive one.

8. The eighth of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the activities of the Committee for the Liberation of the Americas (CLA) in the United States. The Commission is therefore unable to determine whether the CLA is a legitimate organization or a subversive one.

9. The ninth of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the activities of the Committee for the Liberation of the Americas (CLA) in the United States. The Commission is therefore unable to determine whether the CLA is a legitimate organization or a subversive one.

10. The tenth of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the activities of the Committee for the Liberation of the Americas (CLA) in the United States. The Commission is therefore unable to determine whether the CLA is a legitimate organization or a subversive one.

0-15-59 Total depth 346'. C.O.L.B. 346'. Water line. Floured little pert. Int. 336-337; 338-339; 346-347 1/4. 4.6 gallons water and 40,000% sand. 1500', max. pr. 2900', avg. tr. pr. 1200-1400-2000'. I.R. 35
 1500'. 1500' 450 gallons. Dumped 220 gallons rim ahead of drag. Dropped 2 sets of 20 balls and 1 set of 5 balls.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked," or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE: 1968-0-350882-2

FROM-	TO-	TOTAL FEET	FORMATION
			FORMATION RECORD
			EMPLOYER
			1960
			1961
			1962
			1963
			1964
			1965
			1966
			1967
			1968
			1969
			1970
			1971
			1972
			1973
			1974
			1975
			1976
			1977
			1978
			1979
			1980
			1981
			1982
			1983
			1984
			1985
			1986
			1987
			1988
			1989
			1990
			1991
			1992
			1993
			1994
			1995
			1996
			1997
			1998
			1999
			2000
			2001
			2002
			2003
			2004
			2005
			2006
			2007
			2008
			2009
			2010
			2011
			2012
			2013
			2014
			2015
			2016
			2017
			2018
			2019
			2020
			2021
			2022
			2023
			2024
			2025
			2026
			2027
			2028
			2029
			2030
			2031
			2032
			2033
			2034
			2035
			2036
			2037
			2038
			2039
			2040
			2041
			2042
			2043
			2044
			2045
			2046
			2047
			2048
			2049
			2050
			2051
			2052
			2053
			2054
			2055
			2056
			2057
			2058
			2059
			2060
			2061
			2062
			2063
			2064
			2065
			2066
			2067
			2068
			2069
			2070
			2071
			2072
			2073
			2074
			2075
			2076
			2077
			2078
			2079
			2080
			2081
			2082
			2083
			2084
			2085
			2086
			2087
			2088
			2089
			2090
			2091
			2092
			2093
			2094
			2095
			2096
			2097
			2098
			2099
			2100
			2101
			2102
			2103
			2104
			2105
			2106
			2107
			2108
			2109
			2110
			2111
			2112
			2113
			2114
			2115
			2116
			2117
			2118
			2119
			2120
			2121
			2122
			2123
			2124
			2125
			2126
			2127
			2128
			2129
			2130
			2131
			2132
			2133
			2134
			2135
			2136
			2137
			2138
			2139
			2140
			2141
			2142
			2143
			2144
			2145
			2146
			2147
			2148
			2149
			2150
			2151
			2152
			2153
			2154
			2155
			2156
			2157
			2158
			2159
			2160
			2161
			2162
			2163
			2164
			2165
			2166
			2167
			2168
			2169
			2170
			2171
			2172
			2173
			2174
			2175
			2176
			2177
			2178
			2179
			2180
			2181
			2182
			2183
			2184
			2185
			2186
			2187
			2188
			2189
			2190
			2191
			2192
			2193
			2194
			2195
			2196
			2197
			2198
			2199
			2200
			2201
			2202
			2203
			2204
			2205
			2206
			2207
			2208
			2209
			2210
			2211
			2212
			2213
			2214
			2215
			2216
			2217
			2218
			2219
			2220
			2221
			2222
			2223
			2224
			2225
			2226
			2227
			2228
			2229
			2230
			2231
			2232
			2233
			2234
			2235
			2236
			2237
			2238
			2239
			2240
			2241
			2242
			2243
			2244
			2245
			2246
			2247
			2248
			2249
			2250
			2251
			2252
			2253
			2254
			2255
			2256
			2257
			2258
			2259
			2260
			2261
			2262
			2263
			2264
			2265
			2266
			2267
			2268
			2269
			2270
			2271
			2272
			2273
			2274
			2275
			2276
			2277
			2278
			2279
			2280
			2281
			2282
			2283
			2284
			2285
			2286
			2287
			2288
			2289
			2290
			2291
			2292
			2293
			2294
			2295
			2296
			2297
			2298
			2299
			2300
			2301
			2302
			2303
			2304
			2305
			2306
			2307
			2308
			2309
			2310
			2311
			2312
			2313
			2314
			2315
			2316
			2317
			2318
			2319
			2320
			2321
			2322
			2323
			2324
			2325
			2326
			2327
			2328
			2329
			2330
			2331
			2332
			2333
			2334
			2335
			2336
			2337
			2338
			2339
			2340
			2341
			2342
			2343
			2344
			2345
			2346
			2347
			2348
			2349
			2350
			2351
			2352
			2353
			2354
			2355
			2356
			2357
			2358
			2359
			2360
			2361
			2362
			2363
			2364
			2365
			2366
			2367
			2368
			2369
			2370
			2371
			2372
			2373
			2374
			2375
			2376
			2377
			2378
			2379
			2380
			2381
			2382
			2383
			2384
			2385
			2386
			2387
			2388
			2389
			2390
			2391
			2392
			2393
			2394
			2395
			2396
			2397
			2398
			2399
			2400
			2401
			2402
			2403
			2404
			2405
			2406
			2407
			2408
			2409
			2410
			2411
			2412
			2413
			2414
			2415
			2416
			2417
			2418
			2419
			2420
			2421
			2422
			2423
			2424
			2425
			2426
			2427
			2428
			2429
			2430
			2431
			2432
			2433
			2434
			2435
			2436
			2437
			2438
			2439
			2440
			2441
			2442
			2443
			2444
			2445
			2446
			2447
			2448
			2449
			2450
			2451